

# TRANSMITTER, RECEIVER, RADIO COMMUNICATION SYSTEM AND METHOD THEREFOR

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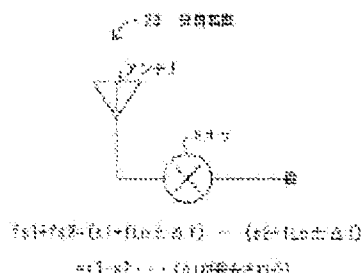
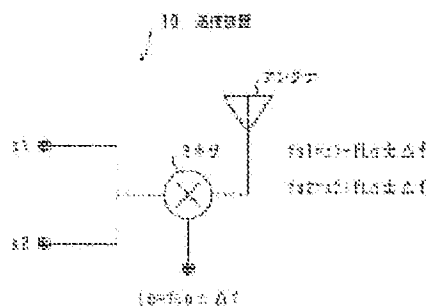
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## Abstract of JP 2002246921 (A)

PROBLEM TO BE SOLVED: To increase precision and stabilization of a radio communication control.

SOLUTION: A transmitter 10 transmits a first signal wave and a second signal wave with radio frequencies by mixing the first signal wave as an information signal and the second signal wave as a nonmodulated wave with a carrier signal. A receiver 20 mixes the radio frequencies of the first signal wave and the second signal wave. On the receiver 20 side  $\Delta f$  components containing a frequency misalignment or a phase noise included in the radio frequencies are canceled, and extracts information by eliminating unstable components on a side of the transmitter 10.



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